

SEQUENCE LISTING

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MOLLOY, SHANNON

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<150> PCT/GB2003/004716

<151> 2003-10-31

<150> UK 0225390.4

<151> 2002-10-31

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75 80 85

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90 95 100

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105 110 115 120

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 aactgtcata aaccogtggt caaaggggaa aaacaggcag agagaaggaa gggacgcgtc 240
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taaccgaaag taaacctttt gcgatgaaa ttctccaatt ctctatccgc tctctcgta	1020
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cgcccatcct atcgtcaatg atgctgattt tgttctccca ccttttttagc caccttttat	1140
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aatcttcaat ccgtttggca atggtatatg gaagccttcc ggatgggttc caatctccat	2640
ataggacatc ggtcaacgaa tttcccgtt ctgtcccgtt gcccagccc aaagaacctg	2700
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gatgattgat ccanggttca ag	2782

<210> 9
 <211> 984
 <212> DNA
 <213> *Agaricus bisporus*

<400> 9
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 gtcaagagca tcaagaagac tagaacgacc ggctgttttt ccacccgaca tcatagcaca 180
 aactgtcata aaccctgtgtt caaaggggaa aaacaggcag agagaaggaa gggacgcgtc 240
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 gcactcctgc atgatcacc caccggcccg cgttttatcg gacatataag gaacaagatt 780
 ccataggtag tggatccctt actccacctc ccgcctactt ttataccaac cccaaatcca 840
 aaggttgaaa aaaaaatttc gacaaggatt tatatatcca tccatccgcg acactttctc 900
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 taaccgaaag taaacctttc cgcg 984

<210> 10
 <211> 1270
 <212> DNA
 <213> *Agaricus bisporus*

<220>
 <221> misc_feature
 <222> (1262)..(1262)
 <223> n is an unknown nucleotide

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 aatatttatt tacagttttt ctgttttttg ttttattgtc gcttggatat aaggtggtat 180
 actttgatat gattgcctac acacatatat caacacagtt ttagttatat caacatcaaa 240
 acatcagtca aggaaaacaa agagcgaacg ataacaatca gcacaagtat gtcagattat 300

ggtccaagaa cgcgaaaaga gttcgcaaa agaacagaac actatcgaaa agtcagata	360
cataggtcac acaattaacg acttcccgga atagttccct ccaacctctt atcgcgacta	420
ctagcaccaa cggtaacacc aaaagtacct tcaggcctcc tccatccctg tgcattcaca	480
tcccaaatac tcaaatcata cctcgacaag gtcattttta cattcctagt ctctccaggg	540
ccaatcggta cagagtcgaa accgcgtagc acggaaggag gttctccagc agattcaggg	600
aagttaatgt agagttgggg agactcggca cccaaaagtc gaccggtatt cttgacgttg	660
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anggttcaag	1270

<210> 11
 <211> 835
 <212> DNA
 <213> Agaricus bisporus

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aagcagcagg gtgtgtgaca tagcgggaag aaagggatgat gatgatgaga acgaggggta	120
cgatgaggac ggcccatctg aattgacggc caacgcgacg tttccggctg tgagaggaca	180
tggcaaagga gacgggggga ggggcgaggg tggcggagga ggtgctcgtg ccgaattcgg	240
cacgagctca ccatgaaatt cgcaactgct ctctcgcct gccttactgc tgctgctagc	300
gctcarcgcg tctcatcgg atccccctct gaccaagcaa atctttctgc tggccagaac	360
actacgattc aaattgtact ccgaatttc caatcgtctt cgcaagaagt tgcggtagtg	420
cttgggatca cgtcctgcgc cgtgctccc tgccctgctc cagccgatac gatgggtcgt	480
atcctttaca gcggtcattt caaccgcag agagatcctg caatgcccgc aatgcaagcc	540
tacgaaaatt tcacggctct cttgccggag aacctgccta agggcgcggc gcagattaac	600
gtttaccatg tcgcacttat cggggccggg ctcatgccat ggaacgagac gttgtccacc	660

acagctttga ttcagtaatt catcaggat ttgaaatgga ccttttagtag tttactgttt 720
 tgctatcgaa cgattcgrat aattacctga gatcagggtcg gtgactgagg cccgtcggag 780
 tgctaccata atggcataat aaaattatac tcagctgaaa aaaaaaaaaa aaaaa 835

<210> 12
 <211> 770
 <212> DNA
 <213> Agaricus bisporus

<400> 12
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 cttttgggca aaccgggatg gcttatcgag cctccagccc cagcagctaa catcgggcag 180
 agaaggaaaa tcatcggcgt tgaattatca ccgtttgggt cctgagtcac ctggagatgt 240
 acgcagatgg tgataccgtg tttgattggc gccgttggag aagaactata ttattcgatg 300
 gattttttgt tcgagtttga cacagagaca gagatgatag aggtttgcta ttgatgtagc 360
 aaaggatcat ttgacgatgg cgcatagggc gatggttatc tttatgtctg gaattataat 420
 atgtattgtt cccactttt cttttatatt tattaatact aattggaagt ttcagttgtt 480
 ggatgagcaa agttggtgca gatagaaact agaattcgga ttcccatatc tgaggtaacct 540
 tttccttcog ctggcaatcc tggccacttc gacgtggtga cgcagagggc gcgtgctatt 600
 gttagcacat gccatatgga tcgacgttgc ctctcgtact tcgcgcctag gctcgtcat 660
 gcctcgatgc atctttcaat tcgggcgttg cgtctcccag gtgcctgtta aaagggcgaa 720
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<210> 13
 <211> 703
 <212> DNA
 <213> Agaricus bisporus

<400> 13
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 cgcactgctc tgactcgcat aaccttaaaa cgcgtggacc cctgttccg acggccggtt 180
 caggatccgg ggctcaggac acagtaaaat cacaaaaact catactttga gagatatgac 240
 ttctcgactt gcgccttcga tggacggaca aattatcccc aggtaccgga tctgtgacac 300
 cgaattagtg cgcgatatta tatatgactt ttgacgggag tctcatacga ccgctcaagt 360
 ccttggggat ggagaatgtc acctcctggt ccaccgggcc cagagcatta cccggtcatt 420
 aatctagcgc ttcttgcacg cactcctgca tgatcacccc acgcggccgc gttttatcgg 480

acatataagg aacaagattc cataggtagt ggatccccta ctccacctcc cgcctacttt 540
 tataccaacc ccaaattcca gttgaaaa aaaaatttcg acaaggattt aatccat 600
 ccatccgcga cactttctcg ttgattcta tcccttagtc tttccttctc cccctttcct 660
 tcttcacttc accttgctct aaccgaaagt aaacctttcc gcg 703

<210> 14
 <211> 486
 <212> DNA
 <213> Agaricus bisporus

<220>
 <221> misc_feature
 <222> (4)..(9)
 <223> Restriction site for KpnI

<220>
 <221> misc_feature
 <222> (477)..(482)
 <223> Restriction site for NarI

<220>
 <221> Intron
 <222> (277)..(328)
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<220>
 <221> Intron
 <222> (349)..(408)
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<220>
 <221> Intron
 <222> (415)..(468)
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 ctcgaggctt gcgtcattct gtgtcaggct agcagtttat aagcgttgag gatctagagc 120
 tgctgtttcc gcgtctcgaa tgttctcggt gtttaggggt tagcaatctg atatgataat 180
 aatttgtgat gacatcgata gtacaaaaac cccaattccg gtcacatcca ccatctccgt 240
 tttctcccat ctacacacaa caagcttata gccatgggtt gtctctcgct tgcataccat 300
 ccagcagctc actgatgtcg acttgtaggt taaagttgga atcaacgggt aagtgttttt 360
 gtcgtcgcgc tgtggttccg gatcatctca gactttgggt gtcttgagcgt ttcggtgagt 420
 gaccaccctg cattctgggt atatgcgtga tactgacat cgctcaaggc cgtatcggcg 480
 ccggcc 486

<210> 15
<211> 57
<212> DNA
<213> Agaricus bisporus

<220>
<221> CDS
<222> (1)..(57)
<223>

<400> 15
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1 5 10 15

gct gtt ggt 57
Ala Val Gly

<210> 16
<211> 19
<212> PRT
<213> Agaricus bisporus

<400> 16
Met His Phe Ser Leu Ser Phe Ala Thr Leu Ala Leu Leu Val Ala Ser
1 5 10 15

Ala Val Gly

<210> 17
<211> 45
<212> DNA
<213> Agaricus bisporus

<400> 17
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<210> 18
<211> 47
<212> DNA
<213> Agaricus bisporus

<400> 18
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<210> 19
<211> 48
<212> DNA
<213> Agaricus bisporus

<400> 19
gtacgttgaa tcgtacaaga aagtgtaatc atcctgactt tctatcag 48

<210> 20
 <211> 62
 <212> DNA
 <213> Agaricus bisporus

<400> 20
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 ag 62

<210> 21
 <211> 51
 <212> DNA
 <213> Agaricus bisporus

<400> 21
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<210> 22
 <211> 52
 <212> DNA
 <213> Agaricus bisporus

<400> 22
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<210> 23
 <211> 63
 <212> DNA
 <213> Agaricus bisporus

<400> 23
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 tag 63

<210> 24
 <211> 48
 <212> DNA
 <213> Agaricus bisporus

<400> 24
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<210> 25
 <211> 61
 <212> DNA
 <213> Agaricus bisporus

<400> 25
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<210> 26
 <211> 46

<212> DNA
 <213> Agaricus bisporus

 <400> 26
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 <210> 27
 <211> 53
 <212> DNA
 <213> Agaricus bisporus

 <400> 27
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 <210> 28
 <211> 48
 <212> DNA
 <213> Agaricus bisporus

 <400> 28
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 <210> 29
 <211> 53
 <212> DNA
 <213> Agaricus bisporus

 <400> 29
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 <210> 30
 <211> 52
 <212> DNA
 <213> Agaricus bisporus

 <400> 30
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 <210> 31
 <211> 50
 <212> DNA
 <213> Agaricus bisporus

 <400> 31
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 <210> 32
 <211> 45
 <212> DNA
 <213> Agaricus bisporus

 <400> 32
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 <210> 33
 <211> 56

<212> DNA
 <213> Agaricus bisporus

 <400> 33
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 <210> 34
 <211> 55
 <212> DNA
 <213> Agaricus bisporus

 <400> 34
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 <210> 35
 <211> 690
 <212> DNA
 <213> Agaricus bisporus

 <400> 35
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 ctctcgcccc tctaatgtc ttccagaaaa 690

 <210> 36
 <211> 910
 <212> DNA
 <213> Agaricus bisporus

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gggtccaagaa cgcgaaaaga agttcgcaaa agaacagaac actatcgaaa agtgcagata 360
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tcccaaatac tcaaatcata cctcgacaag gtcattttta cattcctagt ctctccaggg 540
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tgtccttgat ccattccct agccgcatca acttctctac ctttgacgtg cactttctta 840
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<210> 37
<211> 800
<212> DNA
<213> Agaricus bisporus

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<220>
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<222> (5)..(9)
<223> Restriction site for BglII

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<220>
<221> misc_feature
<222> (790)..(795)
<223> Restriction site for KpnI

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<220>
<221> misc_feature
<222> (290)..(290)
<223> n is an unknown nucleotide

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<220>
<221> misc_feature
<222> (498)..(498)
<223> n is an unknown nucleotide

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<220>
<221> misc_feature
<222> (589)..(589)
<223> n is an unknown nucleotide

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<400> 37
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gttcaggatc tcgataagat acgttcattt gtccaagcag caaagagtgc cttctagtga	180
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caacggtcgt caagagacct acgagactga ggaatccgct cttgggtcca cgcgactata	420
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atggtataca atagtaacca tgcattggtt cctagtgaat gctccgtaac acccaatacg	660
ccggccgaaa cttttttaca actctcctat gagtcgttta ccagaaatgc acaggtacac	720
ttgttttagag gtaatccttc tttctagaag tcctcgtgta ctgtgtaagc gccactcca	780
catctccacg gtacctgcag	800

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